

Title (en)
METHODS FOR THE DETERMINATION OF A VOLUME OF BIOGENIC GAS

Title (de)
VERFAHREN ZUR BESTIMMUNG EINES VOLUMENS VON BIOGENEM GAS

Title (fr)
PROCÉDÉS DE DÉTERMINATION D'UN VOLUME DE GAZ BIOGÉNIQUE

Publication
EP 3391044 B1 20220914 (EN)

Application
EP 16822793 A 20161202

Priority
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Abstract (en)
[origin: US2017166947A1] Provided are methods of estimating a volume of a biogenic gas for an area of interest. The method includes predicting a methanogenesis rate for one or more of the periods of time for the area of interest based on energy available for microbial activity and calculating the volume of the biogenic gas based on the predicted methanogenesis rate for the one or more of the periods of time for the area of interest.

IPC 8 full level
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Y02E 50/30 (2013.01 - EP)

Citation (examination)
• FORMOLO M.J. ET AL: "A new model linking atmospheric methane sources to Pleistocene glaciation via methanogenesis in sedimentary basins", GEOLOGY, vol. 36, no. 2, 1 January 2008 (2008-01-01), US, pages 139, XP055856194, ISSN: 0091-7613, Retrieved from the Internet <URL:http://dx.doi.org/10.1130/G24246A.1> DOI: 10.1130/G24246A.1
• EBIGBO ANOZIE ET AL: "A coupled, pore-scale model for methanogenic microbial activity in underground hydrogen storage", ADVANCES IN WATER RESOURCES, CML PUBLICATIONS, SOUTHAMPTON, GB, vol. 61, 17 September 2013 (2013-09-17), pages 74 - 85, XP028742084, ISSN: 0309-1708, DOI: 10.1016/J.ADVWATRES.2013.09.004

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